

The Infernal Enterprise and the Sentiment of Semantics, a Work in Progress



<http://www.zazzle.com/divine+comedy+posters>



Agenda

- Limbo
- Purgatory, aka classification
- Paradise via Knowledge Transfer
- Contacts
- References

Limbo = Big Data



<http://apod.nasa.gov/apod/ap100331.html>

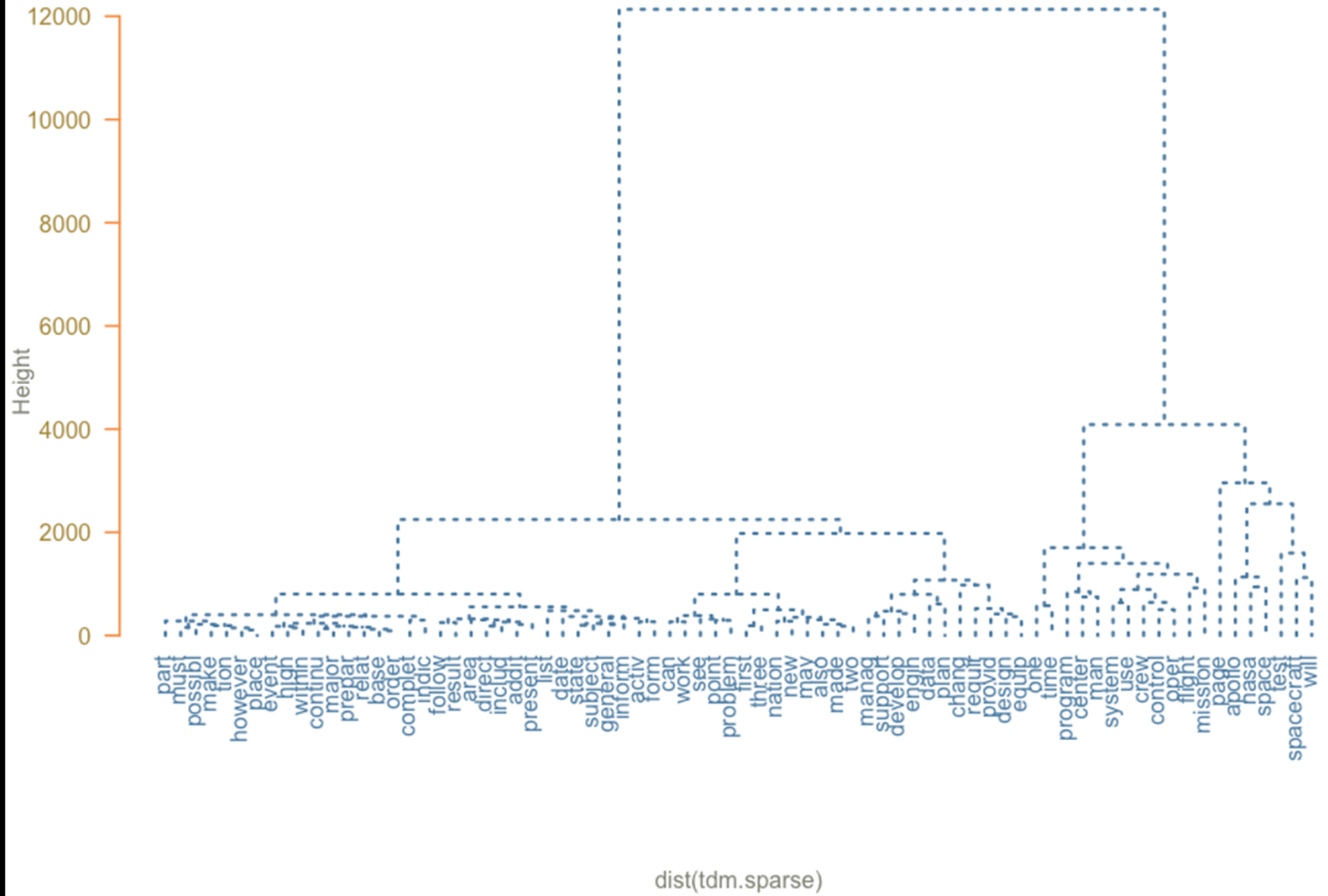


<http://apod.nasa.gov/apod/ap090525.html>



<http://apod.nasa.gov/apod/ap100512.html>

Apollo TDM

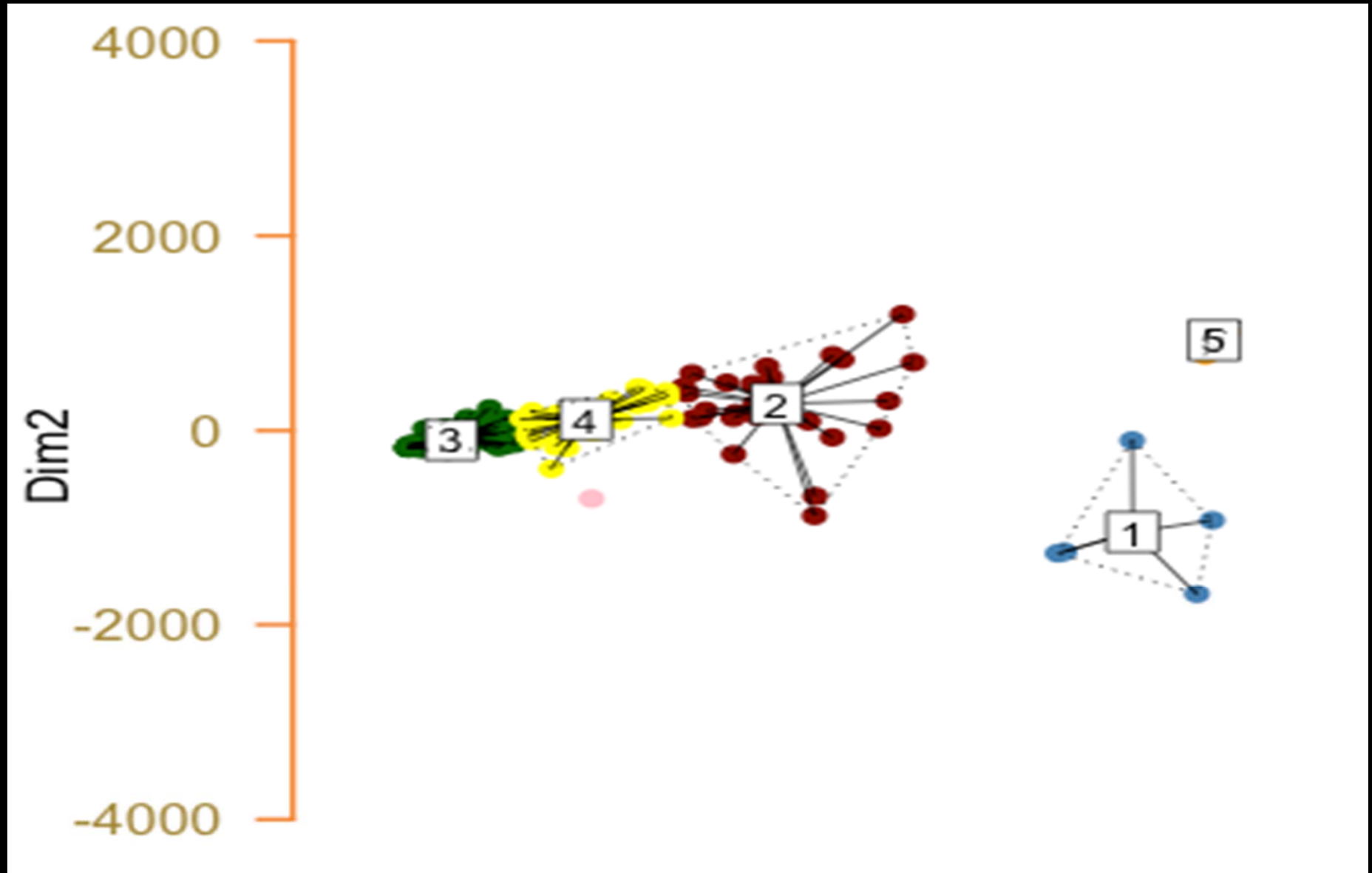


Arriving in Our Own Galaxy



<http://apod.nasa.gov/apod/ap110421.html>

K-Means Cluster

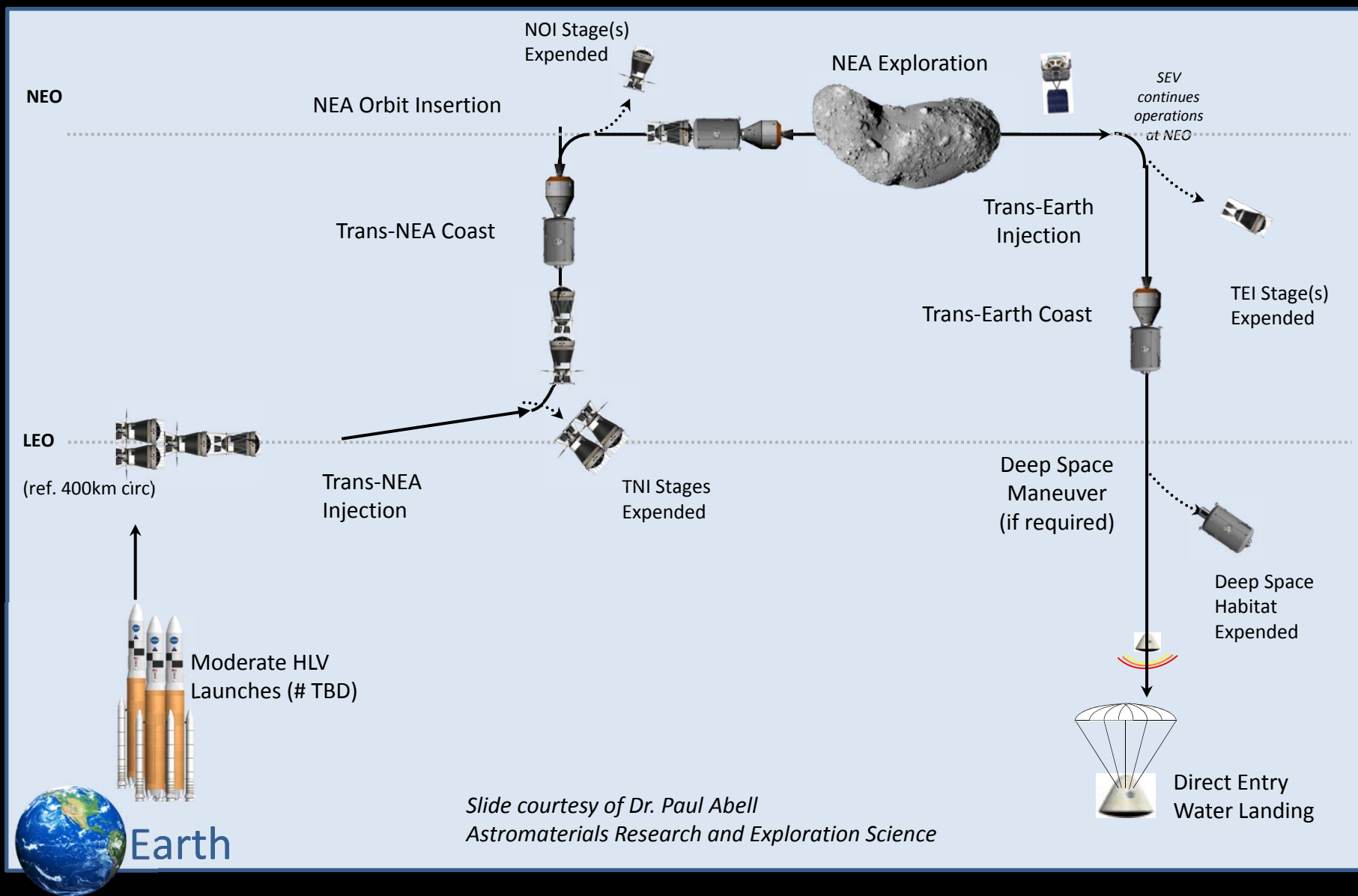




<http://apod.nasa.gov/apod/ap100403.html>



Sample Design Reference Mission



Asteroid 25143, Itokawa, ISS, and MPCV



**Multi-Purpose
Crew Vehicle
(MPCV)**

~17 m
(cross section)



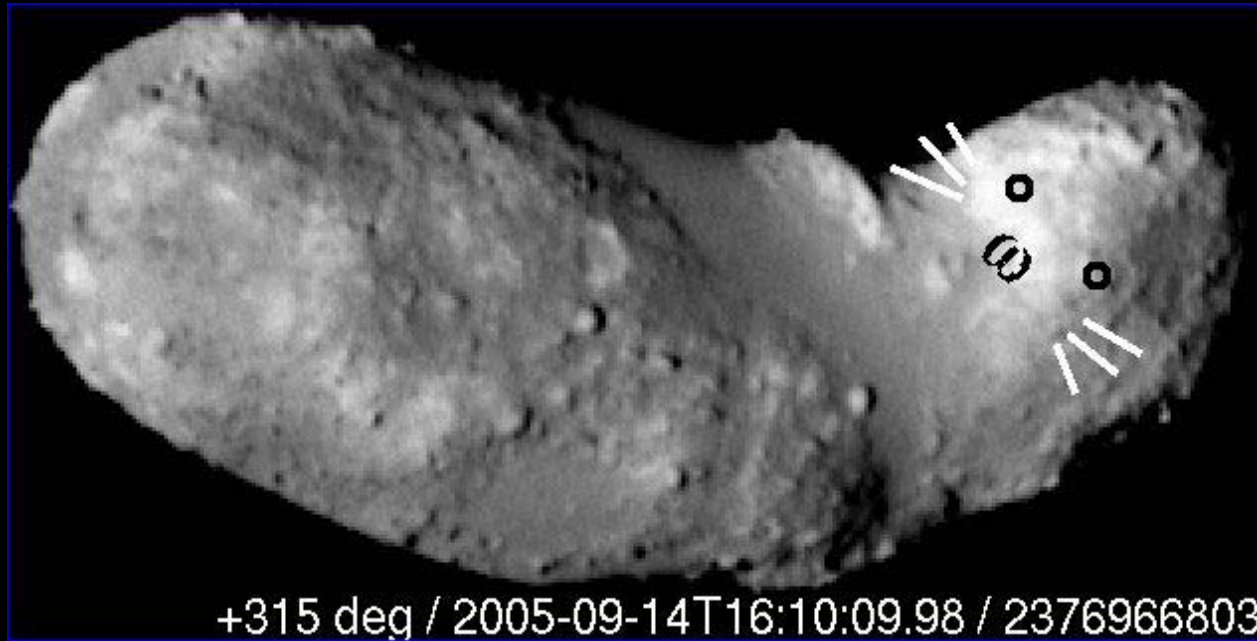
~100 meters
(ISS at 15A Stage)

540 meters

Itokawa and the Golden Gate Bridge

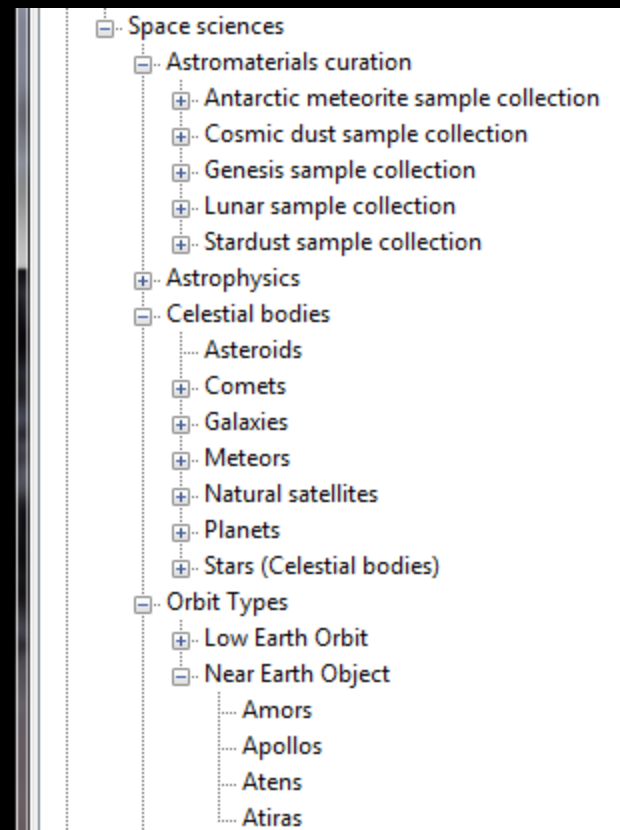
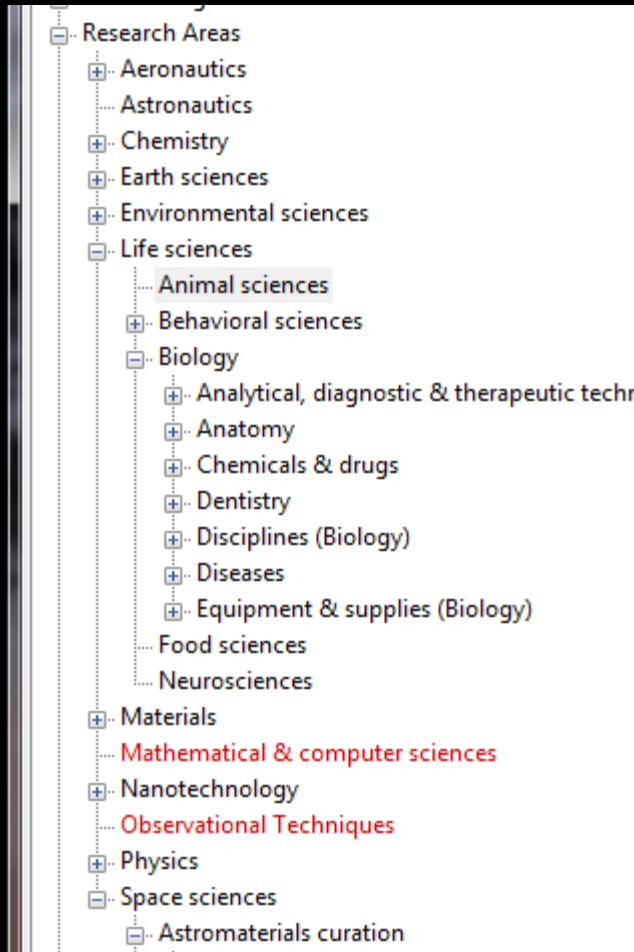


Vegetable, Animal, or Mineral?



Sea Otter!

Domain Specific Taxonomies Unified with Ontology





http://apod.nasa.gov/apod/image/1111/SGU-ALMA-IMG_0013-2400-cp10.jpg



http://sasva.demo.sas.com:8080/SASVisualAnalyticsDesigner/VisualAr NTRS Report - SAS Visual A...

File Edit View Favorites Tools Help

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Section 1

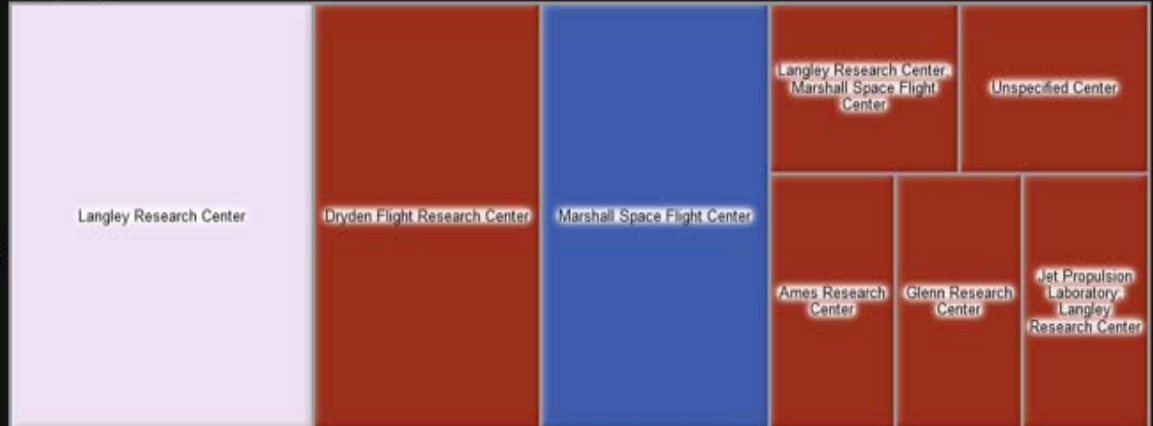
Combustion Physics Computational Fluid... Entry and Landing Hypersonic Propulsi... Hypothetical Solid C... Monte Carlo Simul... Next Gen Shuttles Propellant Satellite Launch Stage Separation M... Trajectories Two-Stage-To-Orbit Wind Aerodynamics

Frequency



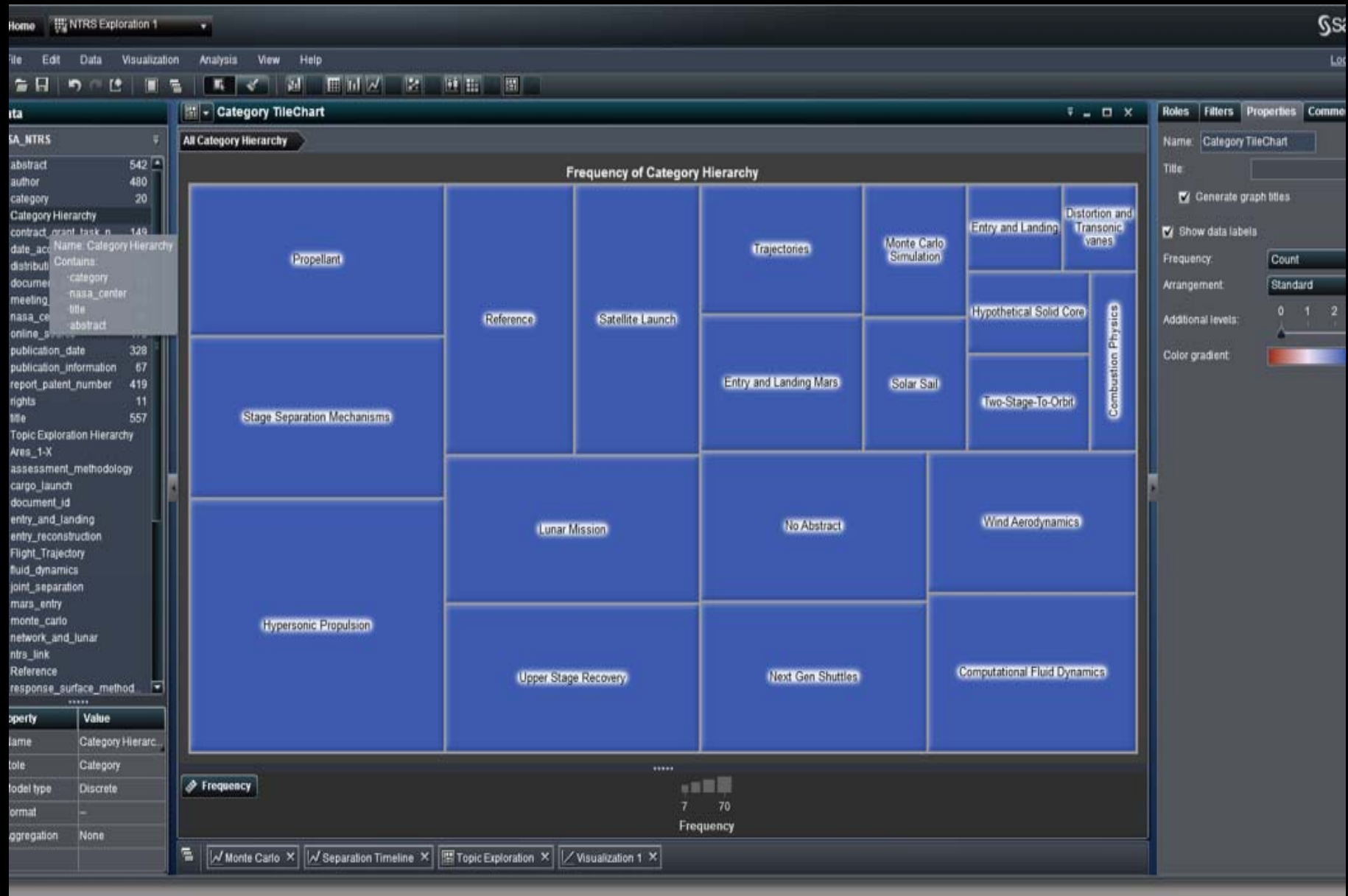
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NASA Tech Brief PhD Dissertation Preprint

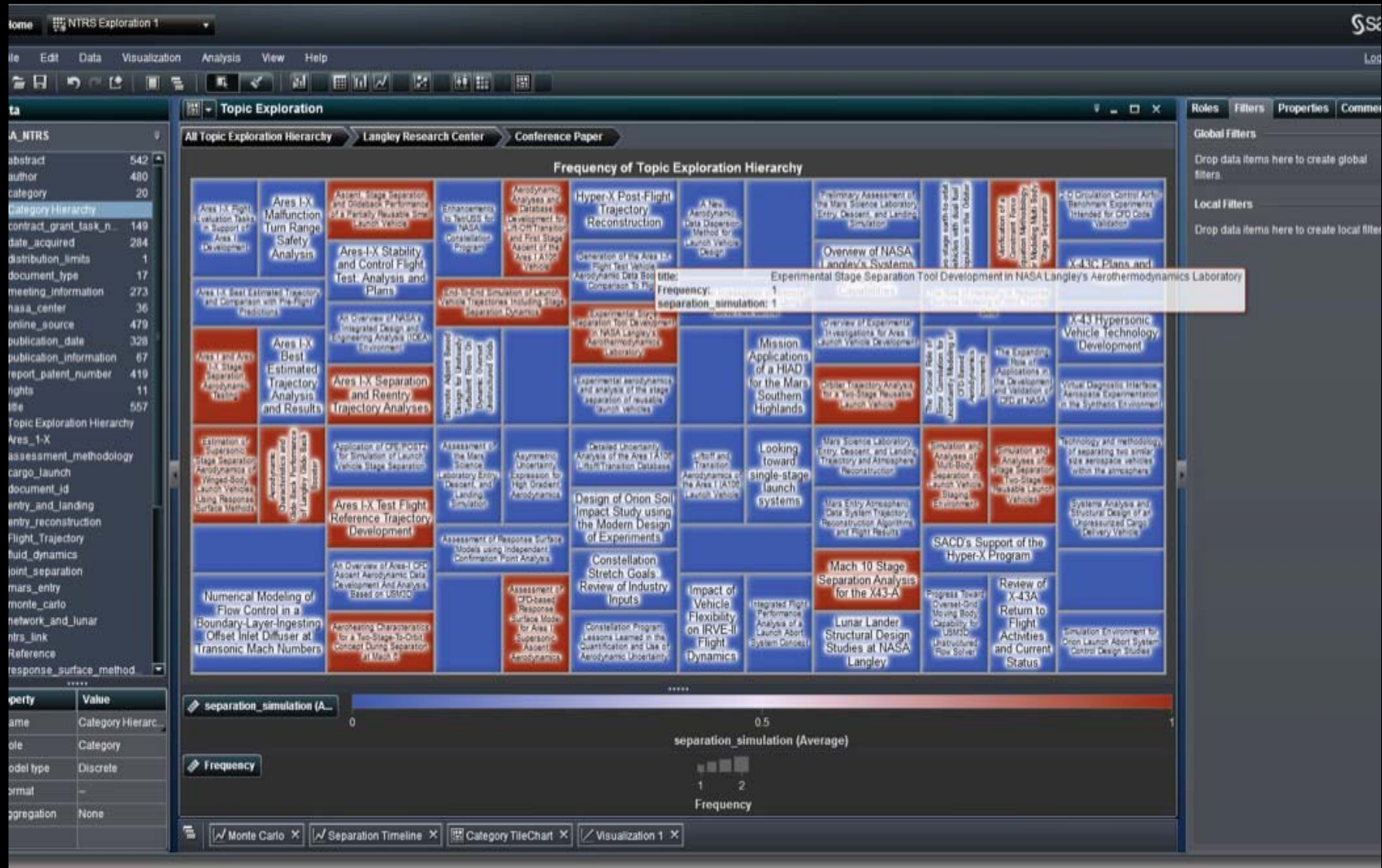
nasa_center



Frequency separation_analysis
1 4 0.0 0.5 1.0 1.5 2.0

publication_date	author	title	abstract	
18Aug2008	Hanson, John M.; Hall, C...	Learning About Ares I from Monte Carlo Simulation	This paper addresses Monte Carlo simulation analyses that are being cond.	1
01Jan2003	Tartabini, Paul V.; Bose, ...	Hyper-X Stage Separation Trajectory Validation Studies	An independent twelve degree-of-freedom simulation of the X-43A separatio.	1
01Jan2007	Phillips, Mark; Hanson, J...	Preliminary Performance Analyses of the Constellation Program ARES 1 Crew Launch Vehicle	By the time NASA's Exploration Systems Architecture Study (ESAS) report ha.	1
01Apr2006	Lockwood, Mary Kae, Edq.	Aerocapture Systems Analysis for a Neptune Mission	A Systems Analysis was completed to determine the feasibility, benefit and r.	0
01Aug1967	Wohl, D. P.	Computer program uses Monte Carlo techniques for statistical system performance analysis	Computer program with Monte Carlo sampling techniques determines the e.	0
01Dec2007	Baumann, Ethan; Bahm, ...	The X-43A Six Degree of Freedom Monte Carlo Analysis	This report provides an overview of the Hyper-X research vehicle Monte Carl.	0
18Aug2008	Hall, Charles; Lee, Chon...	Ares I Flight Control System Overview	This paper describes the control challenges posed by the Ares I vehicle, the.	0
01Jan2007	Tartabini, Paul V.; Bose, ...	Mach 10 Stage Separation Analysis for the X43-A	This paper describes the pre-flight stage separation analysis that was cond.	0
02Sep2011	Schumann, Johann; Bajw...	Parametric Testing of Launch Vehicle FODR Models	For the safe operation of a complex system like a (manned) launch vehicle, ...	0







<http://www.toy-tma.com/electronic-toys/video-games/lets-deep-dantes-inferno/>



Identification of barriers

- Management support, ROI
- User acceptance
- Information accessibility
- Software application, development, MAINTENANCE
- Knowledge transfer



Knowledge
Transfer
leads to paradise.

<http://apod.nasa.gov/apod/image/1306/BC-QueenTrail-Tree-950wp.jpg>





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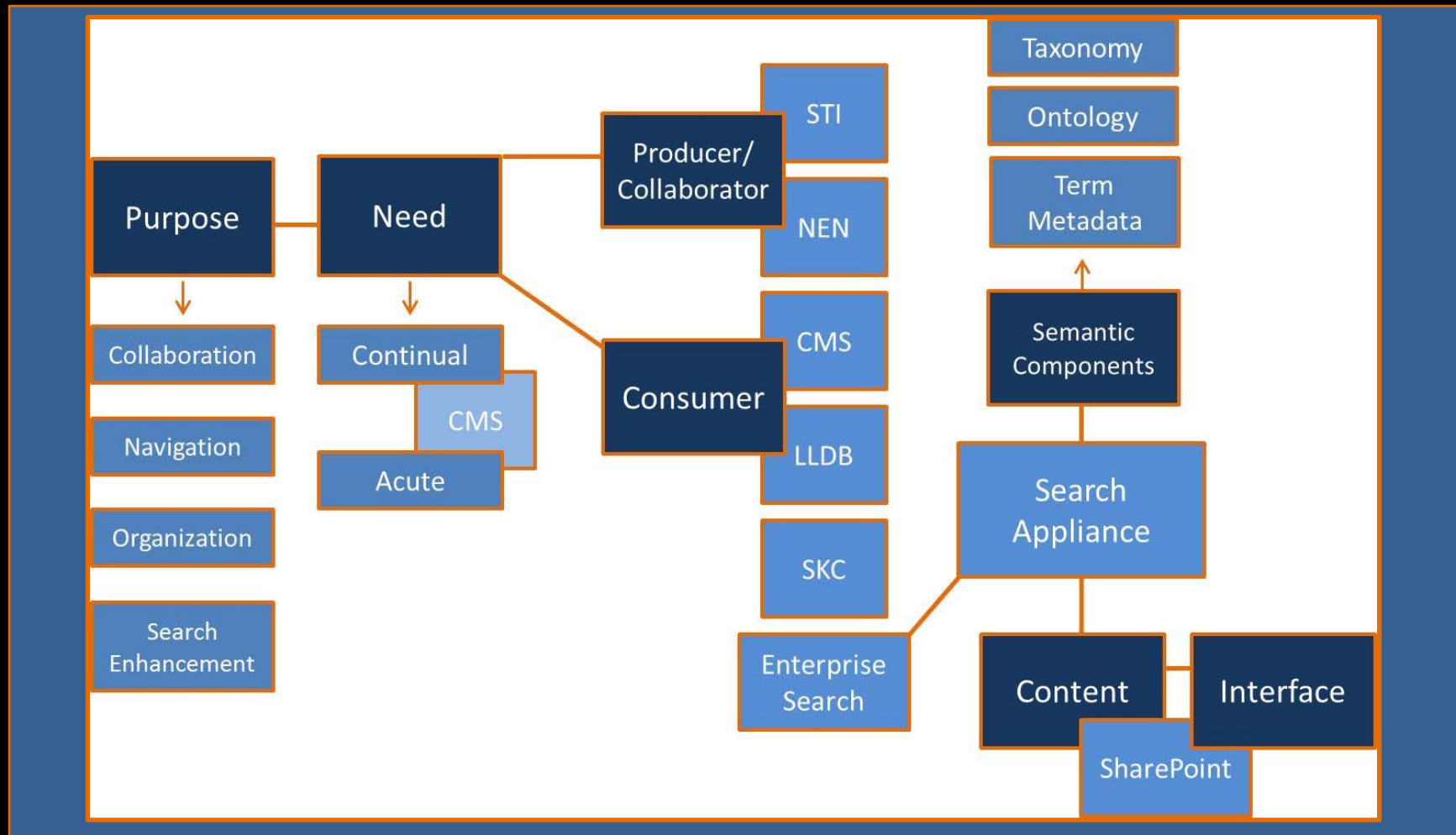


References

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Additional Information Semantic System, Tier I





Semantic System, Tier II

